

OEOC BULLETIN



JOHN WAIHEE
GOVERNOR

OFFICE OF ENVIRONMENTAL QUALITY CONTROL

DIRECTOR

Volume 5

June 8, 1988

Number 11

REGISTER OF CHAPTER 343, HRS DOCUMENTS

All Chapter 343, HRS documents submitted for publication in the OEOC Bulletin must be addressed to the Office of Environmental Quality Control, 465 South King Street, Room 104, Honolulu, Hawaii 96813. Documents addressed otherwise will not be considered for publication.

EIS PREPARATION NOTICES

The following proposed actions have been determined to require an environmental impact statement. Anyone can be consulted in the preparation of the EIS by writing to the listed contacts. 30 days are allowed for requests to be a consulted party.

COMMUNITY PLAN AMENDMENT FROM AGRICULTURE TO PROJECT DISTRICT FOR 370 ACRES, KIHAI, MAUI, Mr. Bill Hogarty/Maui Planning Commission

Previously published May 23, 1988.

Contact: Mr. Clyde Murashige
County of Maui Planning Dept.
200 S. High St.
Wailuku, Maui, Hawaii 96793

Deadline: June 22, 1988.

DEVELOPMENT PLAN AMENDMENT FROM AGRICULTURAL TO RESIDENTIAL USE IN MAILE, OAHU, Richard Medeiros/Dept. of General Planning

The applicant proposes to create a subdivision for twenty house lots, each with a lot area of approx. 5,000 sq. ft. The property is located immediately east of Maili Elementary School in Waianae (TMK:8-7-03:31; 8-7-04:62, pors. 45 and 47).

Potential environmental impacts, e.g., agricultural odor, vector, noise, and air pollution and impacts on existing agricultural uses, are anticipated from the location of this proposed residential development near agricultural and quarry activities.

Contact: Mr. Brian L. Gray
Gray, Hong & Associates, Inc.
119 Merchant Street, Suite 607
Honolulu, HI 96813

Deadline: July 8, 1988.

PACIFIC NATIONS CENTER, HONOLULU, OAHU,
Dept. of Housing and Community
Development/Dept. of Land Utilization

The City and County proposes to develop a large, mixed-use complex in Downtown Honolulu. The project involves the acquisition of 40,400 sq. ft. of privately owned property for consolidation with three other City-owned parcels into a site that would contain a total of 220,400 sq. ft. (5.06 acres). The consolidated site will then be leased to a private developer, who will finance and construct the entire project. The project is intended to contain a mix of uses including retail, restaurant, office, hotel, residential, a securities exchange and other related business or personal services, with an emphasis on commercial uses.

The project site is located at the top of Bishop Street and is bounded by Queen Emma, South Beretania, Fort and Kukui streets. It is comprised of ten separate parcels with various owners, consolidated to form one super block. (TMK: 2-1-9:7, 8, 9, 11, 18, 27, 37, 39, 56)

The area is served by two major arterial streets, Beretania Street and Vineyard Blvd., and two connections--Nuuanu Avenue and Pali Hwy--which provide ready access to residential, commercial and cultural areas of the city.

Contact: Karen Iwamoto
Dept. of Housing and Community
Development
City and County of Honolulu
650 S. King Street
Honolulu, HI 96813

Deadline: July 8, 1988

NEGATIVE DECLARATIONS

The following are Negative Declarations or determinations made by proposing or approving agencies that certain proposed actions will not have significant effects on the environment and therefore do not require EIS'S (EIS Rules 11-200-11).

Publication in the Bulletin of a Negative Declaration initiates a 60-day period during which litigation measures may be instituted. Copies are available at 25 cents per page upon request to the Office. Parties wishing to comment may submit written comments to the agency responsible for the determination (indicated in project title). The Office would appreciate a copy of your comments.

KAUAI

1.5 MILLION-GALLON STORAGE TANK AND
CONNECTING PIPELINE, KOLOA-POIPU WATER
SYSTEM, POIPU, KAUAI, County of Kauai
Board of Water Supply

The proposed project consists of a 1.5 million-gallon potable water reservoir of reinforced concrete construction to meet current water demand flows and to upgrade water service to residents of the Koloa-Poipu area. The reservoir will be approx. 120 ft. in diameter by 23 ft. in height. Related work includes site preparation and grading, drainage ditches, erosion control, tank water level controls and telemetry, construction of a 15-ft. wide asphalt cement pavement perimeter road around the reservoir, installation of chainlink security fencing, installation of approx. 65 linear ft. of 16-inch diameter ductile iron influent line connecting the reservoir to the existing water system adjacent to the site and installation of effluent and washout lines. Washout line, drainline and ditches will discharge into the existing onsite drainage system. The total construction area affected by this project is approx. 1.0 acre.

The project area is situated in southern Kauai, approx. 2.2 miles southeast from the plantation town of Koloa and 1.9 miles northeast from the Poipu resort area. Adjacent to the project area is an existing 1.5 million-gallon reinforced concrete reservoir constructed by the County of Kauai, Dept. of Water, and the State of Hawaii, Department of Land and

Natural Resources in 1978.

The preliminary estimated construction cost of the project is \$1,400,000 at late-1988 price levels. Land acquisition for approx. 1.8 acres will cost an additional \$40,000.

OAHU

HAWAII INTERACTIVE TELEVISION SYSTEM MICROWAVE SYSTEM AT MOUNT KAALA, OAHU,
Dept. of Accounting and General Services for Hawaii Public Broadcasting Authority (HPBA) of the Dept. of Commerce and Consumer Affairs

The proposed project consists of the installation of a 10-ft. diameter antenna, an antenna-supporting structure, and a 2-inch diameter telecommunication cable. The approx. length of the cable will be 250 ft. and it will follow the same path as an existing transmission line. The project will be located on portions of TMK: 1st Division 6-7-03:23 and 25 and 7-7-01:1.

The Hawaii Interactive Television System (HITS) is a closed circuit television system consisting of a network of microwave transmission sites which will provide a video link for the major population areas of the State. The system will transmit educational programs and college credit courses throughout the State of Hawaii. The principal users of this video capability will be the Hawaii Public Broadcasting Authority (HPBA) and the University of Hawaii. The estimated cost of construction is \$30,000.

CONSERVATION DISTRICT USE APPLICATION AMENDMENT FOR A SUBDIVISION FOR KUOU II PRODUCTION WELL, KOOLAUPOKO, OAHU, City and County of Honolulu Board of Water Supply/Dept. of Land and Natural Resources

The applicant proposes to subdivide TMK 4-5-41:9 at Koolaupoko, Oahu. The Board of Land and Natural Resources approved a Conservation District Use Application (CDUA OA-9/28/87-20-84) for development of Kuou II Production Well, supporting

facilities and easement, on the subject property on February 26, 1988. The application amendment is necessary to complete the project as originally planned.

PROPOSED LAND ACQUISITION FOR THE WOODLAWN EARTH MOVEMENT AREA, HONOLULU, OAHU, City and County of Honolulu Dept. of Public Works

The proposed action consists of the acquisition of easements and lands in fee of selected parcels in the Woodlawn area in Manoa (TMK: 2-9-25, 39, 50, 57, and 58) with general objectives of mitigating the adverse effect of the earth movement.

Earth movement in the Woodlawn area is primarily caused by water infiltration into the subsurface soil which decreases the shear strength of the soil and increases its unit weight. The stability of the existing slopes is affected by a reduction in the resisting force and an additional driving force.

The Woodlawn site is located on the easterly side of Manoa Valley along the toe of Waahila Ridge and includes Alani Drive, Paty Drive, Kahaloa Drive, Kahaloa Place, Lono Place, Kalawao Street, Hulu Place, Woolsey Place and Lanikaula Street. The area is subject to a massive earth movement which has affected the structural stability of municipal infrastructures.

The area is on a sloping hillside with an average slope of approx. 3 to 5 horizontal to 1 vertical (33 to 20% slope). The area is roughly rectangular in plan with horizontal dimensions of about 1,700 ft. in length parallel to the valley (in a northeast to southwest direction) and about 900 ft. wide from top to bottom.

In an effort to control surface and some of the subsurface water, the City has initiated projects for drainage improvements in two or more phases. The initial phase will include the Hulu Place, Woolsey Place, and Lanikaula Street and Kahaloa Drive Drainage

Improvements. Construction for these improvements will begin in April 1988.

In the second phase, the City is planning to construct drainage improvements in the Kalia Drive, Alani Drive, Kahaloa Drive and Kahaloa Place areas.

The total cost of the acquisition is estimated to range between \$250,000 to \$3,000,000 and will be funded by the City Capital Improvement Program budget or by funds which may be appropriated by the State of Hawaii.

DEMONSTRATION DESALTING PLANT, HONOLULU, HAWAII, Division of Water & Land Development, Dept. of Land and Natural Resources

The applicant proposes to construct a demonstration desalting plant to determine the feasibility of desalting technology in Hawaii as an alternative water resource for meeting the State's future water needs. The demonstration plant's capacity of one million gallons per day is large enough to provide the necessary data to determine the quality, quantity, and reliability of the processes selected. It will also provide operating and maintenance cost information for the plant.

The site for the demonstration desalting plant is located in the Campbell Industrial Park (TMK: 9-1-015:12) in Ewa. It is approx. 0.4 miles off the H-1 Palailai Interchange, heading south (makai) on Kalaeloa Blvd. to Campbell Industrial Park. The area adjacent to the site includes Campbell Industrial Park, Barber's Point Naval Air Station, and sugarcane fields. On the northeast boundary of the site is a storm drainage channel built by Campbell Estate in 1977 with U.S. Corp of Engineers approval. The estimated cost for this project is \$4.5 million.

CONSTRUCTION OF A NEW CLUBHOUSE MULTI-PURPOSE RECREATION FACILITY AND UPGRADING OF PARKING AND CIRCULATION PATTERN AT ALA WAI GOLF COURSE, HONOLULU, HAWAII, City and County of Honolulu Dept.

of Parks and Recreation

The Dept. of Parks and Recreation proposes to construct a multi-purpose structure at the Ala Wai Golf Course situated in Waikiki. The project site is identified by tax map as First Division 2-7-36: 9, 10, 11, 15, and portion 2 encompassing a total land area of 146.390 acres. The existing clubhouse and cart barn will be razed and two practice putting greens fronting the clubhouse reconfigured to make room for the new structure. The new, two-story structure will be approx. 200 ft. long, 100 ft. wide and 56 ft. in height. All existing golf and related uses will be accommodated on the ground level. The second level, which features a large, unobstructed floor area, has been designed for ballroom dancing and general assembly and will also be available for other public uses such as community meetings and social/recreational functions. Construction is tentatively scheduled to begin in mid-1988 and should be completed in one year. The project is estimated to cost \$5.6 million.

DEPT. OF DEFENSE HAWAII STATE AREA COMMAND (HAWCOM) EMERGENCY OPERATING CENTER, HONOLULU, HAWAII, Dept. of Accounting and General Services for the Dept. of Defense

The Emergency Operating Center will serve to meet HAWCOM mission requirements of providing military support to civil defense. It will be housed within a portion of the existing but unused portion of the tunnel (Battery 407) located within the south wall of Diamond Head Crater. (TMK: 3-1-42:6)

The project will provide the Hawaii State Area Command with a much-needed, improved facility to implement its program in accordance with the minimum essentials for an emergency operating center. The estimated cost of construction is \$580,000. Construction is scheduled to begin in September 1988 and will be completed in approx. 10 months.

MAKAI GARAGE FIXED LOUVER SYSTEM,
HONOLULU, HAWAII, Dept. of Accounting and
General Services

The State proposes to install about 26 ft. of fixed louvers on the mauka side, second level of the Makai Garage and about 36 ft. of fixed louvers on top of an existing concrete wall. The louvers will be of anodized aluminum. The purpose of the project is to prevent the early morning sun from temporarily blinding drivers entering the parking garages.

The project site is located on the eastern corner of the Punchbowl Street and Halekauwila Street intersection in Downtown Honolulu. It is surrounded by other State Office buildings, the Federal Building, Kawaiahao Church and many small commercial businesses (TMK: 2-1-31:10). The estimated cost of construction is \$30,000.

LONG RANGE DEVELOPMENT PLAN UNIVERSITY OF
HAWAII AT MANOA (UH SIX-YEAR CAPITOL
IMPROVEMENTS PROGRAM), HONOLULU,
University of Hawaii/Office of
Environmental Quality Control

The University of Hawaii, Manoa Campus, is located on approx. 304 acres of land in Manoa Valley surrounded by schools, residences and commercial areas in an urban environment. The Long Range Development Plan (LRDP) for the Manoa Campus provides a scheme for development and includes a description of 24 major CIP projects which are included in the University's six-year Capitol Improvements Program, FB 1987-93. The environmental assessment submitted does not include land acquisition projects and renovation projects.

The approximate location, size, spacing, setbacks and/or building envelopes of existing and proposed buildings, structures and improvements are shown on the LRDP map in appendix "A" of the report. Precise information for each project will be prepared at a later date when the projects are formally authorized by the State Legislature and when

building permit applications are filed.

MAUNALUA BAY FERRY TERMINAL AT HAWAII
KAI, OAHU, Dept. of Transportation, State
of Hawaii, Harbor's Division

The Harbor's Division of the State DOT proposes to establish a ferry terminal at Maunalua Bay (TMK:3-9-07:8, 11, 32, and 34) and at Pier 8 in Honolulu Harbor as the first link in the proposed intraisland Ferry System serving the southern coast of Oahu. The Maunalua Bay terminal will consist of an access driveway, 200 car parking lot, a passenger shelter, pier, and shoreline revetment. Offshore, the existing channels leading to the terminal facility will be deepened and widened to accommodate the ferry vessel.

Development of the terminal at Pier 8 in Honolulu Harbor is deemed an exempt class of action pursuant to Section 11-200-8, Administrative Rules.

MAUI

CONSERVATION DISTRICT USE APPLICATION:
AFTER-THE-FACT SUBDIVISION AND
TELECOMMUNICATIONS FACILITY, HANA, MAUI,
GTE Hawaiian Telephone Company/Dept. of
Land and Natural Resources

The applicant proposes a land subdivision creating a 10,001-sq.-ft. parcel for public utility purposes and expansion of a telecommunications facility in existence since 1971. HAWTEL proposes to increase the facility's circuit capacity from 120 to 216 channels and by adding a new state-of-the-art digital microwave radio system. Two existing 15-ft. high wood H-frame antenna towers will be replaced with new 17-ft. high steel antenna towers, and existing 10-ft. antennas will be replaced with new 15-ft. diameter high performance antenna. The project is located in parcel TMK:1-4-02:2, which contains 10,001 sq. ft. of land in the Hana District of Maui. Existing access to the site is via Hamoa Road on the southern boundary of the site. Hamoa Road intersects with the

Hana Highway 0.15 miles east of the site.

PUUOHALA VILLAGE WATERLINE, WAILUKU,
AUL, County of Maui Dept. of Water Supply

This action is located in Puuohala, Wailuku, Maui (TMK: 3-3-02:1) and will consist of installing approx. 3,350 ft. of 4" or 6" waterline running from the vicinity of the Mokuhau Well Pump Station through Wailuku Agribusiness Macadamia Nut Orchard to the Puuohala Village Subdivision and connecting into existing water mains. The line will be laid within an existing drainage diversion easement along the Wailuku Agribusiness Co. roadway and within a new waterline easement. The existing waterline serving the subdivision will be cut and plugged and abandoned in place. Work will consist of trenching, backfilling, removal of a few kiawe trees and shrubs, and moderate landscaping. No macadamia trees will be affected by the construction. All necessary appurtenances, fittings, gate valves, sliding valve boxes, concrete work, manholes, and security measures are part of this project.

This work will be done on agricultural zoned land belonging to Wailuku Agribusiness Company, and all easements provided are in favor of the County of Maui and the Dept. of Water Supply.

HAWAII

AINAKEA ELDERLY HOUSING PROJECT, KAPAAU,
NORTH KOHALA, HAWAII, County of Hawaii
Office of Housing and Community Development, County of Hawaii

The County of Hawaii and the International Longshoremen's and Warehousemen's Union (ILWU) jointly propose to construct a low-density housing project at Kapaau. The project is proposed on 1.9 acres of a 5.47-acre parcel (TMK:5-3-6:por. 21) owned by the County of Hawaii. The County of Hawaii in turn will lease the land for 55 years to Kohala Union Housing Corp. The parcel

is located in the Ainakea subdivision which is being developed by Oceanic Properties, Inc., a private corporation.

The project consists of site improvements and construction of a 21-unit apartment complex earmarked for the elderly. The site plan proposes a cluster of four one-story structures containing between 4-7 one-bedroom, one-bath units. The wood-framed buildings will be erected on concrete foundations and topped with corrugated iron roofing.

Each unit will be equipped with a full bath and kitchen. Interior living areas measure approx. 500 sq. ft. One unit is reserved for a property/building manager.

A common building of 160 sq. ft. housing laundry facilities is included as part of the project.

The project will be accessed via a 20-ft. wide driveway off the primarily collector road serving the Ainakea subdivision. Uncovered parking for residents and guests will be provided as required by County off-street parking requirements.

Water is available to the site via an in-place 6-inch line. Cesspools will be used for domestic wastewater collection and disposal. Graded swales will direct runoff away from buildings and into drywells. Overhead power and communication line will be brought to the site from the Ainakea subdivision.

Construction will commence after all necessary approvals are obtained and should be completed within 6-8 months.

Units will be rented to qualified elderly households. Monthly rents are estimated at \$664.

HALE ULU HOI PHASE II, HILO, HAWAII,
County of Hawaii Office of Housing and Community Development

The Hilo Association to Help Retarded Citizens (HAHRC) proposes to construct a low-density apartment complex for the developmentally disabled at Waiakea,

South Hilo, Hawaii. The project is proposed on a 1.2-acre parcel adjacent to the existing Hale Ulu Hoi Phase I. The land (identified by tax map as 34d Division 2-4-56:2) is owned by the State of Hawaii and leased to the HAHRC.

The proposed site plan duplicates the layout and architectural design of Hale Ulu Hoi Phase I. Eighteen one-bedroom, one-bath units of approx. 480 sq. ft. are planned. Clustered in three one-story structures (approx. dimensions of 85 by 46 ft.), the buildings are arranged about a common parking area. Construction features include: concrete slab on grade foundation, wood frame, double walls (gypboard interior walls), exterior siding, and corrugated iron roof.

An existing 24-ft.-wide driveway off Ululani Street will service Phases I and II. Uncovered parking for residents and guests will be provided per County off-street parking requirements.

Office space for a building manager is planned and will be designed as part of the Phase II structures. Additional laundry facilities will accommodate Phase I occupants.

Water, sewer, and power systems will be brought to the site from Hale Ulu Hoi Phase I. These utilities were stubbed in anticipation of Phase II construction.

All units will be rented at an estimated \$560 per month.

DIRECT SALE OF ACCESS EASEMENT OVER AND ACROSS STATE LANDS SITUATED AT OLAA RESIDENTIAL LOTS, OLAA, PUNA, HAWAII, Helga Tossman et. al./Dept. of Land and Natural Resources

The applicants are applying to the State of Hawaii Dept. of Land and Natural Resources for the purchase of a utility and roadway easement of 30 ft. by approx. 1,800 ft. from Volcano Highway to the beginning of lots 230 and 235 (TMK: 1-8-8:29, 30, 34).

After purchase of easement, applicants

wish to begin construction of a 22-ft. roadway per regulations of Dept. of Transportation Highways Division "Standards For Access Driveways Into State Highways" and/or any other applicable state and county regulations. The proposed access will connect the subject lots to the Volcano Highway.

The project involves the clearing of overgrown grass and brush, grading and construction of road with an asphaltic paving. The portion of road to be paved at this time would be approx. 125 ft. We propose to clean up and replant any vegetation where it may be necessary to preserve the scenic quality of the highway so this action will have a minimum disruptive impact on the forest reserve.

The project site is approx. 3.3 miles from the nearest town which is Mountain View Village. The closest road junctions are the Glenwood Transfer Station Rd. as mentioned previously and an approx. 16-ft. paved road across the street 61 ft. south of project site.

ENVIRONMENTAL IMPACT STATEMENTS

EIS'S listed in this section are available for review at the following public depositories: Office of Environmental Quality Control; Legislative Reference Bureau; Municipal Reference and Records Center (Oahu EIS'S); Hamilton Library; State Main Library and the Kaimuki, Kaneohe, Pearl City, Hilo, Wailuku and Lihue Regional Libraries. Statements are also available at State Branch Libraries that are in proximity to the site of a proposed action (indicated by project description).

Comments on the following EIS'S should be sent to: 1) the accepting authority; and 2) the proposing agency; and 3) the preparer of the EIS. Please note the deadline date for submitting written comments on the EIS.

KAPOLEI TOWN CENTER, EWA, OAHU, The Estates of James Campbell/City and County

of Honolulu Dept. of General Planning

The applicant is requesting the Dept. of General Planning to approve proposed changes to the Ewa Development Plan Land Use Map. The project area is located within the Ewa District of Oahu, 22 miles west of Honolulu.

The project area consists of six separate parcels and encompasses an area of approx. 879 acres. The largest parcel comprises an area of approx. 569 acres and is generally referred to as the Kapolei Town Center. This parcel is bounded by Kalaeloa Blvd. to the west, NASBP to the south, Barber's Point Access Rd. and Puu Kapolei to the east and the Farrington Highway/H-1 Freeway corridor to the north. The second largest parcel located north of the HF-1 Freeway is approx. 210 acres in size and includes the cinder cone known as Puu Palailai. A third parcel within the project area is approx. 35 acres in size and is located west of and adjacent to Kalaeloa Blvd. The western boundary of this parcel is coterminous with the eastern boundary of the Ko Olina option area. The fourth parcel is 13 acres in size and is located adjacent to and east of the Palailai interchange, between Farrington Highway and the H-1 Freeway. The fifth parcel is 25 acres in size and is located in the northeastern quadrant of the Makakilo Drive/H-1 Freeway interchange. The sixth parcel of 26 acres is located in the southeastern quadrant of the same interchange with the southern boundary lying along Farrington Highway and the eastern boundary coterminous with the proposed Kapolei Knolls residential community being proposed by the Lusk Company. Pending forthcoming land use approvals, the applicant hopes to begin construction of its own office building on a site located at the entrance to the Town Center between Farrington Highway and the proposed Kapolei Blvd. The present development program includes two 50,000 sq. ft. "U" shaped buildings of 3-4 stories each, organized around a central garden. Access to the site will be via the proposed Kapolei Blvd. Automobile parking will be provided underneath the two buildings and in

adjacent surface lots. The applicant will be a major tenant in one of the buildings, other prospective tenants are now being sought. Estimates of major infrastructure investments have been made for the entire Kapolei Town Center area. A separate cost breakdown for the first increment has not been prepared.

Contact: Mr. Thomas A. Fee, AICP
Helber, Hastert & Kimura,
Planners
733 Bishop Street, Suite 2590
Honolulu, HI 96816

Deadline: July 23, 1988

KEAHOLE AIRPORT EXPANSION, NORTH KONA,
HAWAII, Dept. of Transportation, Airports
Div.

The major facilities proposed for the airfield consist of a 4,500-ft. runway extension, additional taxiways, new and larger holding bays, and widened runway shoulders. The 4,500-ft. extension will bring the ultimate length of the runway to 11,000 ft. The proposed improvements are based on the projected aviation demands and available airfield capacity through the year 2005.

The proposed extension will occur towards the north, where there is ample undeveloped land. Inclusive in the planned upgrades are additional lighting and navigational systems, strengthening of the existing airfield pavement, and alterations to the surrounding airspace.

The terminal complex is proposed to be laid out in a linear pattern which closely resembles the existing layout of major facilities. Expansion of the terminal complex, parking facilities and ground transportation extends to the north of the existing facilities. Major expansion to the south includes general aviation facilities, heliport, fixed base operator parcels and air cargo/mail facilities.

The existing airport utilizes approx. 432 acres. An additional 212 acres will be required for the expansion of the airport, and will require a State Land Use District Amendment to reclassify the lands from "Conservation" to "Urban." A County zoning amendment is also required to change the lands from "Open" to "General Industrial."

This EIS is also available for review at the Holualoa Library, Kailua-Kona Library, and Kealahou Library.

Deadline: July 23, 1988

KULA WATER SYSTEM IMPROVEMENTS, MAKAWAO, MAUI, Dept. of Land and Natural Resources, Div. of Water and Land Development/Office of Environmental Quality Control

The proposing agency intends to install a new 36-inch water transmission line from the Kula Water System surface water sources at Waikamoi Stream and reservoirs to the Olinola Water Treatment Plant. The new line will replace the existing 12-inch and 16-inch pipeline as the primary transmission conduit from the water source to the treatment facility.

Secondary improvements include reconstruction of damaged portions of an existing 24-inch corrugated metal pipe collector line and its existing four intakes. Replacement of the five feeder pipes from the existing 12-inch transmission line to its existing five intakes is also proposed. Minor reconstructive work at the intakes will be performed as needed.

The proposed improvements will extend from the Waikamoi Stream and reservoirs to the Olinda Water Treatment Plant and reservoir, generally within the 4,000 ft. and 4,400 ft. elevation contours along the northern slopes of Haleakala.

The project site passes through lands owned by Haleakala Ranch Co., State of Hawaii, Virginia C. Dubois Trust, Alexander and Baldwin, Inc. and East Maui Irrigation Co., Ltd. (TMK: 2-3-5:4,

2-3-6:6, 2-4-15:29, 2-4-16:1, 2, 3 & 4)

This EIS is also available for review at the Kahului Library, Lahaina Library, and Makawao Library.

Deadline: July 23, 1988

EIS'S SUBMITTED FOR ACCEPTANCE. The following EIS'S have been submitted for acceptance and contain comments and responses made during the review and response period.

CHINATOWN GATEWAY PLAZA, HONOLULU, HAWAII, City and County of Honolulu Dept. of Housing and Community Development/Dept. of Land Utilization

This EIS is also available for review at the Liliha Library.

Status: Accepted by the Dept. of Land Utilization May 31, 1988.

NOTICES

PETITION FOR A DECLARATORY RULING AS THE APPLICABILITY OF CHAPTER 343, HRS AND TITLE 11, DEPARTMENT OF HEALTH CHAPTER 200, ENVIRONMENTAL IMPACT STATEMENT RULES TO THE PROPOSED NEAL S. BLAISDELL CENTER PARKING STRUCTURE: EXHIBITS A, B, C, D

It is the contention of the petitioner, American Lung Association of Hawaii, that the following facts clearly indicate a potential for significant localized impact on air quality:

the well-known traffic congestion in the Ward Avenue-King Street-Kapiolani Boulevard Avenue area, particularly during major events at the Blaisdell Center;

the existing violations of the State's 1-hour carbon monoxide standard in the area as indicated in the EA; and

the concentration of traffic at the Blaisdell Center site due to the

proposed parking structure.

Based on the foregoing, it is the petitioner's position that the determination made by the Building Department was erroneous and should therefore be withdrawn.

WETLAND IMPROVEMENT AT HANAIEI NATIONAL WILDLIFE REFUGE, HANAIEI, KAUAI, United States Dept. of the Interior Fish and Wildlife Service

Finding of No Significant Impact

The U.S. Fish and Wildlife Service is proposing to construct three wetland impoundments in existing pasture and inactive taro fields on Hanalei National Wildlife Refuge. The proposed impoundments will provide approx. 65 acres of wetland habitat capable of being flooded to an average depth of 3 ft. The majority of the pond interiors will have the existing pasture converted into pond bottom. Dikes will be constructed by digging a moat along the inside perimeter of a pond, and the spoil material will be used as dike fill. To reduce leakage through the existing surface organic layer, a keyway will be dug down the center of dike beds at a depth and width of approx. 1 ft. and 3 ft., respectively.

The pasture site is a low-lying bottomland area that occasionally holds sheet water after heavy rains. The Service intends to dredge moats along the inside perimeter of the proposed impoundments and deposit the spoil material on the outside of the moat to form dikes. Total estimated volume of dirt to be moved is approx. 17,350 cubic yards, with some areas of dike requiring as much as 5 ft. of fill. The dike width should be 10 to 12 ft. at the top with a 2:1 slope (run:rise) tapering down to the existing surface.

The Hanalei National Wildlife Refuge was established in 1972 for the preservation and recovery of four species of native endangered waterbirds.

AMENDMENT 2 TO THE FISHERY MANAGEMENT PLAN FOR THE BOTTOMFISH AND SEAMOUNT GROUND FISH FISHERIES OF THE WESTERN PACIFIC REGION

The Fishery Management Plan (FMP) for Bottomfish and Seamount Groundfish Fisheries of the Western Pacific Region was prepared by the Western Pacific Regional Fishery Management Council principally to establish a framework for managing with the U.S. Exclusive Economic Zone (EEZ) bottomfish fisheries around Hawaii, American Samoa, and Guam and the seamount groundfish fisheries around the Hancock Seamounts situated at northerwestern end of the EEZ of the Hawaiian Archipelago. The FMP became effective on August 27, 1986. The framework FMP prohibits the use of bottom trawl and bottomset nets, explosives, and poisons for harvesting bottomfish, requires a federal permit for fishing for bottomfish in the EEZ of the NWHI, and has established a moratorium on seamount groundfish fishing activities for an initial six-year period beginning on the effective date of the FMP. In preparation of the amendment, the Western Pacific Regional Fishery Management Council has complied with the Magnuson Fishery Conservation and Management Act (MFCMA) as amended in 1986 regarding vessel safety and habitat requirement.

1987 ANNUAL REPORT OF THE STATE ENVIRONMENTAL COUNCIL

Contained in the one hundred pages of the 1987 annual report of the state Environmental Council are synopses of many of the important environmental events and issues of last year, arranged by the following categories: air, groundwater, surface and marine waters, flora and fauna, land use, transportation, waste water, solid waste, hazardous materials, pesticides, and radiation. Submissions from many public and private agencies were solicited, and the following replied with contributions:

o Federal agencies: Community Planning and Development Division, Department of Housing and Urban Development; Institute of Pacific Islands

Forestry, Department of Agriculture; Naval Base Pearl Harbor, Department of the Navy; Pacific Fleet Marine Force, U.S. Marine Corps; U.S. Army Corps of Engineers, Department of the Army; U.S. Army Western Command, Department of the Army; U.S. Coast Guard, Department of Transportation; and Water Resources Division, U.S. Geological Survey, U.S. Department of the Interior.

o State agencies: Department of Agriculture; Department of Business and Economic Development; Department of Hawaiian Home Lands; Department of Health; Department of Transportation; Divisions of Aquatic Resources, Forestry and Wildlife, and Water and Land Development, Department of Land and Natural Resources; and Office of the Director of Civil Defense, Department of Defense.

o County agencies: Board of Water Supply, Building Department, Department of General Planning, Department of Housing and Community Development, Department of Parks and Recreation, Department of Public Works, and Department of Transportation Services, City and County of Honolulu; Planning Department, County of Hawaii; and Office of the Mayor, County of Kauai.

o Private agencies: American Lung Association of Hawaii, Hui Alanui o Makena, and Sierra Club, Hawaii Chapter.

Copies of the report may be obtained by writing: Environmental Council, 465 S. King St., Room 104, Honolulu, HI 96813. The number of copies is limited, so readers are advised to order as soon as possible.

OEQC BULLETIN

OFFICE OF ENVIRONMENTAL QUALITY CONTROL



JOHN WAIHEE
GOVERNOR

MARVIN T. MIURA, Ph.D.
DIRECTOR

Volume 5

June 23, 1988

Number 12

REGISTER OF CHAPTER 343, HRS DOCUMENTS

All Chapter 343, HRS documents submitted for publication in the OEQC Bulletin must be addressed to the Office of Environmental Quality Control, 465 South King Street, Room 104, Honolulu, Hawaii 96813. Documents addressed otherwise will not be considered for publication.

NEGATIVE DECLARATIONS

The following are Negative Declarations or determinations made by proposing or approving agencies that certain proposed actions will not have significant effects on the environment and therefore do not require EISs (EIS Rules 11-200-11). Publication in the Bulletin of a Negative Declaration initiates a 60-day period during which litigation measures may be instituted. Copies are available at 25 cents per page upon request to the Office. Parties wishing to comment may submit written comments to the agency responsible for the determination (indicated in project title). The Office would appreciate a copy of your comments.

OAHU

CONSTRUCTION OF SITE IMPROVEMENTS AT PUPUOLE MINI PARK, WAIPAHU, OAHU, City and County of Honolulu Dept. of Parks and Recreation

The proposed action involves the construction of site improvements including clearing, grubbing, grading, installation of utilities, irrigation system, parking lot, children's play area and equipment, play court, amphitheatre, comfort station, security lighting, fencing and landscaping. The cost for construction and annual maintenance have been estimated at \$550,000 and \$15,000 respectively. All costs will be borne by the City and County of Honolulu.

The project site, comprising an area of 7.9 acres, is located in the lower Waipahu area (TMK: 9-4-01:portion of 29). The site is bounded on the mauka side by Waipahu Intermediate School, Pearl Harbor West Loch on the makai side, the Waipahu Flood Control Drainage Canal on the Diamond Head side and Pupupuhi Street on the Ewa side. At present there are no public parks within the project's service area, which is identified as Blocks 104 through 109 of Census Tract 87.03. The recommended service area radius for mini/neighborhood parks is one

half mile.

CASTLE HIGH SCHOOL CHAIN LINK FENCE AND GATE, KANEOHE, OAHU, Dept. of Accounting and General Services for the Dept. of Education

This project involves installing approx. 1,250 lineal feet of 6-ft. high chain link fence and gates to enclose the agriculture area and to prevent youngsters from entering the drainage area. The estimated cost of construction is \$30,000.

IMPROVEMENTS TO CRASH FIRE STATION NO. 2, HONOLULU INTERNATIONAL AIRPORT, MOANALUA, OAHU, Dept. of Transportation, Airports Division

The Airports Division of the Dept. of Transportation proposes to improve the fire training facilities at Honolulu International Airport. Improvements will be near the existing Crash Fire Rescue Station No. 2 (TMK: 1-1-03:1) and will consist of: a new fire training facility to replace the existing fire pit; a new storage building to replace the existing temporary storage shed; a new pile supported pier and boat house extending into Ke'ehi Lagoon; a debris barrier at the new boat house to reduce conflicts between floating debris in Ke'ehi Lagoon and water rescue operations; night lighting for the fire training facility, the storage building, and the pier and boat house.

Crash/Fire Rescue Station No. 2 is located at the end of Lagoon Drive near Runway 8R-26L. Constructed in the 1970's, this station provides crash, fire and rescue support along the south and southeast portion of Honolulu International Airport.

HEEIA-KEA BOAT HARBOR IMPROVEMENTS, KANEOHE, OAHU, Dept. of Transportation Harbors Division/OEQC

The proposed project consists of constructing a new 10 ft. by 12 ft.

Harbor Agent's office building; paving 18,000 sq. ft. of trailer parking area; extending 30 linear ft. of loading dock; replacing 4 existing mooring piles with mooring buoys; and installing approx. 1,790 linear ft. of waterline. There will be no dredging in this project.

Heeia-Kea Boat Harbor is located on the northeast shore of Oahu in Kaneohe between Kahaluu and Kailua (TMK: 4-6-06). It is a small boat harbor which includes loading docks, piers, boat washdown areas, marine service station, boating supply/food concession, and a restroom. The harbor is bounded by residential homes and by Kaneohe Marine Corps Air Station on the northeast side. The boat harbor currently has the capacity to moor 68 boats at catwalks and piers.

The proposed project will be constructed mainly on land with a portion of the project in water within the existing Heeia-Kea Boat Harbor boundary.

HAWAII

ACCESS EASEMENTS AT AHUALOA HOMESTEADS, AHUALOA, HAWAII, Daniel K. Kaniho, Jr./Dept. of Land and Natural Resources Division of Land Management

The proposed action involves direct sale of perpetual, non-exclusive roadway and waterline easement consisting of approx. 1,200 sq. ft. The property in question is a portion of the Lower Homestead Road Reserve which has never been constructed. The applicant is in the process of purchasing a parcel (TMK: 4-6-5:35) that abuts both the subject area and the Main Hawaii Belt Highway.

Water and secondary access to the applicant's proposed property is available from a 1-1/2" waterline from the Upper Homestead Road. This waterline is in place within a 30-ft. wide easement for road and utility purposes over two parcels (TMK: 4-6-08:59 and 4-6-05:08), one of which abuts the mauka side of the Lower Homestead Road Reserve parcel.

The applicant is requesting an easement for future access and utility purposes over and across a portion of the Lower Homestead Road Reserve which will allow him to extend the existing waterline to the parcel he is purchasing.

The proposed easement area is presently vacant and unused. Fence lines clearly define the adjoining property boundaries, and a roadway leading to several single family dwellings has been constructed within the Lower Homestead Road Reserve on the north.

WAIOHINU STANDPIPE FACILITY, KAU, HAWAII,
County of Hawaii Dept. of Water Supply

The proposed standpipe site is located near the Waiohinu Transfer Station along Kauila Rd. The Waiohinu-Naalehu area is a rural community mixed with diversified agriculture activities including a dairy, small truck farms, and pasture lands. Large scale agriculture activities include sugarcane and macadamia nuts. Naalehu is the principal town in the area where a public school (Naalehu elementary) and various commercial and urban activities are situated.

The improvements will require an all-weather surface parking area, a 6-inch pipeline extension from the Mamalahoa Highway to the project site, a fire hydrant, six large water connection outlets for commercial haulers, and possibly ten smaller water connection outlets for household water haulers. The site will be graded and water disposal will be through a dry well. Provisions for a fence enclosure will also be a part of this project.

The proposed improvements will benefit commercial water haulers and especially those household water haulers who are residents and ranchers in the area where no public water systems are available to service them. Furthermore, these improvements will provide a safer place for these haulers and other motorists by relocating our standpipe facility away from well used roadways.

POHAKU AND PUAINAKO STREETS EXTENSION AND ADJACENT AREAS, PANAWEA, SOUTH HILO, HAWAII, Dept. of Hawaiian Home Lands

The project location is situated in the Panaewa area land of the Hawaiian Home Lands in the City of Hilo (TMK: 2-2-47:1, 64). Close by is the Prince Kuhio Plaza Regional Shopping Center. The proposed project calls for the extension of four city streets, namely, Pohaku, Puainako, Ohuohu and Makaala streets; and the lot grading of future commercial and industrial lots.

It is proposed that the 60-ft. wide Pohaku Street be extended approx. 1,000 lineal ft.; the 120-ft. wide Puainako Street be extended approx. 1,500 lineal feet; the 60-ft. wide Ohuohu Street be extended approx. 200 lineal ft.; and the 80-ft. wide Makaala Street be extended approx. 1,050 lineal ft.

All street improvements will conform to County of Hawaii standards. Road improvements for Pohaku, Puainako, and Makaala Streets include asphaltic concrete road pavement; concrete curb, gutter and sidewalk; water system; drainage facilities; street lights; and road pavement markers, striping* and signs. Road improvement for Ohuohu Street will include asphaltic concrete pavement for road, road shoulder and swales; road pavement striping* and signs, and street lights. Upon completion of the project, all four street extension will be conveyed to the County of Hawaii for maintenance.

As for lot grading work, it is proposed that certain vacant lands be cleared and that the necessary excavation, embankment and compaction work take place to required elevations. These lot grading work areas consist of (1) a 4.5 acres commercial area along the east side of the Pohaku Street extension, (2) an approx. 4.3 acres area on the south side of Puainako Street extension which is proposed for 10-15,000 sq. ft. Cultural Commercial Lots, (3) an approx. 4.4 acres area on the north side of Makaala Street extension which is proposed for 8-0.5 acres Commercial Lots, (4) an approx.

12.6 acres area bounded by the proposed Pohaku Street extension on the east side, existing Makaala Street on the south side, existing Kanoelehua Avenue on the west side and a leased area on the north side, and (5) an approx. 4.0 acres area on the west side of existing Railroad Avenue which is proposed for 8-0.5 acres Industrial Lots. Individual cesspools will be installed in conjunction with lot improvement by lessees.

The anticipated cost of the project is estimated to be \$1,400,000 with construction expected to last approx. 300 calendar days. Start of construction is tentatively scheduled for July 1988.

Kauai

DRILL PUHI WELL, PUHI, KAUAI, County of Kauai Dept. of Water

The proposed project involves an exploratory well drilling and testing project to determine the feasibility of locating and establishing a new ground water source to supplement the existing Puhi drinking water supply system.

The Puhi area is located just west of Lihue town, and is served by a municipal water supply system owned and operated by the County of Kauai Dept. of Water. The main sources of the drinking water are the county's Kilohana Well E and Kauai Community College (KCC) Well. The pump at the Kilohana Well E currently operates at approx. 150 gpm, while the KCC Well pump operates at approx. 450 gpm. The Puhi System is interconnected with the Lihue Water System. However, the systems are operated independently, and there are no interchange of flows between them under normal circumstances. The Puhi system also includes a 500,000-gallon concrete reservoir. The current (1987) mean daily demand for the Puhi area is 360,000 gallons per day. Domestic water demand is expected to increase as the population increases and economic activity expands.

The exploratory well drilling and testing project determine if a well, located

about 100 ft. northeast of the existing Kilohana Well E, can be developed as a viable water source for the Puhi area. The work involved includes: (1) drilling a 20-inch diameter well approx. 250 lineal ft. deep; installing 80 lineal ft. of 12-inch diameter solid steel casing; packing the lower 170 lineal ft. of annular space around the screened well casing with commercially available rounded stream gravel and fill the upper annular space around the solid casing with cement grout; pump testing the aquifer to about 700 gpm, and monitoring water levels in the nearby existing Kilohana Well "E"; and evaluating the field pumping data.

The proposed project site is situated in the Puhi area of the Lihue District of the island of Kauai. The site is located about 100 ft. northeast of the existing Kilohana Well E approx. halfway between the KCC Filter Plant and the 0.5 MG concrete storage tank. (TMK: 3-4-5:6)

CONSERVATION DISTRICT USE APPLICATION FOR FENCING TO CONTROL ILLEGAL PARKING, FOR "PROTECTION OF DESIRED VEGETATION . . . (and) EROSION CONTROL", HAENA, KAUAI, Diane G. Faye/Board of Land and Natural Resources

The subject property is currently vacant and undeveloped. The fencing is intended to stop any commercial activity on the land, to reduce potential liability, and allow for enjoyment of the property. It appears that a local raft business is instructing their customers to park on this private land and, in fact, are using the parking lot to enhance their commercial activity despite the applicant's protestation.

DEVELOPMENT OF TWO FOREST TRAILS IN THE HALELEA FOREST RESERVE, HANAIE VALLEY, KAUAI, Dept. of Land and Natural Resources, Division of Forestry and Wildlife, Kauai District

The Division of Forestry and Wildlife is proposing to construct two adjoining forest trails within the Halelea Forest

Reserve. Trails will be four feet wide and used by hikers, hunters, and fishermen.

Hanalei Valley Trail

This project is for the construction of 2.5 miles of trail starting at the end of the paved road in Hanalei Valley to be routed into picnic/camp sites and into wilderness type recreation. The trail will be routed along the Hanalei River Valley, in the area that was recently added to the Halelea Forest Reserve by Executive Order No. 3227, at an elevation of approx. 200 ft.

Princeville-Waioli Trail

This project is for construction of 2 miles of the first increment of the Princeville-Waioli Trail. This initial increment is to be routed from the start of the planned Hanalei Valley Trail to a ridge top vista point called Kaukaopua, starting at 200 feet elevation and ending at 1,000 ft. elevation at the top. The vegetation along the trail consists primarily of uluhe or false-staghorn fern, scattered 'ohi'a trees and strawberry guava with a ground cover of introduced grasses, ferns, and herbs. This is part of the area that was burned from the forest fire that occurred in 1967.

Total trail width will be 3 to 6 ft. and will displace approx. 5 acres for the trail area. The construction of these trails shall coincide with the dry season to reduce the impact on the land and minimize the erosion potential. (TMK: 5-4-01:1)

EIS PREPARATION NOTICES

The following proposed actions have been determined to require an environmental impact statement. Anyone can be consulted in the preparation of the EIS by writing to the listed contacts. 30 days are allowed for requests to be a consulted party.

SUPPLEMENTAL ENVIRONMENTAL IMPACT STATEMENT HILO WASTEWATER TREATMENT AND CONVEYANCE FACILITIES, SOUTH HILO, HAWAII, County of Hawaii Dept. of Public Works/OEQC

The Wastewater Facilities Plan, Hilo District, South Hilo, Hawaii, developed in 1980 is a comprehensive planning document that addresses all aspects of wastewater infrastructure for the Hilo District. Since the plan and EIS were prepared, several changes have been made to the planned system. As a result, the 1980 plan is being updated. A potential major change, an alternative alignment of the outfall extension, was addressed in a Supplemental EIS dated January 1987. The new supplemental EIS that is being prepared incorporates the original 1980 EIS by reference and focuses on the changes in the design and location of the proposed treatment plant, pump station, and sewer mains, and on alternative treatment methods.

The Hilo study area is located on the northeastern portion of the island of Hawaii and lies on the lower eastern slopes of Mauna Loa. The study area, encompassing approx. 56 sq. miles, includes the existing city of Hilo and immediately adjacent areas, as delineated in the 1980 Facilities Plan. The adjacent areas are either serviced by another sewerage system (Paukaa-Papaikou system) to the north or are zoned for conservation or agriculture uses. (TMK:2-1-13:parts 12, 13, 20 and 22)

The proposed action addresses the relocation and upgrading of the county's municipal primary sewage treatment facility to one capable of meeting EPA's secondary treatment standards. The existing treatment facility is a 7.0 millions of gallons per day (mgd) primary plant presently discharging 3.91 mgd primary effluent through a 48-inch diameter outfall 4,500 ft. offshore in 56 ft. of water.

The recommended facilities consists of five components: pump station, force main, treatment plant, effluent line, and outfall.

Pump Station: The pump station will boost the wastewater to the new treatment plant. The pump station will be located at the site of the existing treatment plant since the existing collection system currently discharges into a wet well at this location. The site is located at a low point to accept gravity flow from the western coastal area, thereby minimizing repumping of this wastewater. The site is conveniently situated for the minimization of the force main length to the new treatment plant.

Force Main: The force main will be used to convey the wastewater from the pump station to the new treatment plant. The recommended alignment is along existing roads and was selected to minimize the length of the pipeline.

Treatment Plant: The treatment plant will be located on state lands near the east end of the Hilo Airport.

Effluent Line: Treated effluent will gravity discharge from the treatment plant to the outfall for final ocean disposal. The discharge main also serves as a contact chamber for chlorine disinfection of the effluent. The alignment recommended is parallel to the raw sewage force main to minimize construction implementation impacts and costs.

Outfall: The outfall is recommended to be extended into deeper waters and to include a diffuser length of 750 ft. with port spacing of 12 ft. on center (3-inch port diameters). Diffusers will be oriented northwesterly to maximize dilution due to tide-related south, east, and west currents. Additional water quality studies are presently being conducted to verify the need for an outfall extension.

Contact: Lambert Yamashita
M&E Pacific, Inc.
Engineers & Architects
1001 Bishop St.
Honolulu, HI 96813

Deadline: July 25, 1988.

DEVELOPMENT PLAN AMENDMENT FROM
AGRICULTURAL TO RESIDENTIAL USE IN MAILE,
OAHU, Richard Medeiros/Dept. of General
Planning

Previously published June 8, 1988.

Contact: Mr. Brian L. Gray
Gray, Hong & Associates, Inc.
119 Merchant Street, Suite 607
Honolulu, HI 96813

Deadline: July 8, 1988.

PACIFIC NATIONS CENTER, HONOLULU, OAHU,
Dept. of Housing and Community
Development/Dept. of Land Utilization

Previously published June 8, 1988.

Contact: Karen Iwamoto
Dept. of Housing and Community
Development
City and County of Honolulu
650 S. King Street
Honolulu, HI 96813

Deadline: July 8, 1988

ENVIRONMENTAL IMPACT STATEMENTS

EISs listed in this section are available for review at the following public depositories: Office of Environmental Quality Control; Legislative Reference Bureau; Municipal Reference and Records Center (Oahu EISs); Hamilton Library; State Main Library and the Kaimuki, Kaneohe, Pearl City, Hilo, Wailuku and Lihue Regional Libraries. Statements are also available at State Branch Libraries that are in proximity to the site of a proposed action (indicated by project description).

Comments on the following EISs should be sent to: 1) the accepting authority; and 2) the proposing agency. Please note the deadline date for submitting written comments on the EIS.

TMK 1-6-3

ARMY FAMILY HOUSING NEW CONSTRUCTION AT HELEMANO MILITARY RESERVATION, CITY AND COUNTY OF HONOLULU, OAHU, Dept. of the Army

The U.S. Army Support Command, Hawaii, Directorate of Oahu Consolidated Family Housing determined in 1987 that there was a need for 2,287 family housing units through FY 1992 to provide affordable housing for all military services on Oahu. Part of that need can be satisfied by constructing new dwelling units at Helemano Military Reservation (HMR) near Schofield Barracks in Central Oahu. Other nearby sites were also examined. The originally preferred plan for 1,000 units was scaled down to 600 units because of operational constraints by a nearby Navy installation. The propose project will not affect any significant historic sites, endangered or threatened species or other ecological habitats, wetlands, sole or principal drinking water aquifers, or public or private recreational areas. About 0.06 acre of prime agricultural land in pineapple cultivation will be displaced. Increased traffic will be accommodated by widening the access road and improving the road's intersection with Kamehameha Highway. The three to four year project will accommodate at least 1,750 new residents, with many young children expected. Public elementary schools are currently overcrowded, but the project's projected student population has been coordinated with the State Department of Education. Long-term disposal of the project's treated wastewater from the Schofield Barracks Wastewater Treatment Plant will be evaluated in a separate NEPA document.

This EIS is also available for review at the Mililani Public Library, Wahiawa Public Library, Waialua Public Library, and Hamilton Library.

Deadline: August 8, 1988

SUPPLEMENTAL EIS: AMENDMENT TO THE MAUNA KEA SCIENCE RESERVE COMPLEX DEVELOPMENT PLAN FOR A VLBA ANTENNA FACILITY, AMAKUA, HAWAII, University of Hawaii Institute for Astronomy/OEQC

The National Radio Astronomy Observatory (NRAO), operated by Associated Universities, Inc., constructs and operates facilities for research in radio astronomy under contract with National Science Foundation. NRAO is building a major new instrument, the Very Long Baseline Array (VLBA). The VLBA is an aperture-synthesis radio telescope consisting of ten remotely operated antennas, sited across the country from the U.S. Virgin Islands in the east to Hawaii in the west. All ten antennas are located on U.S. territory; the Operations Center for the array is in Socorro, New Mexico. Construction of this array has been given top national priority by NSF. NRAO is negotiating with the University of Hawaii, Institute for Astronomy, for an antenna site within the Mauna Kea Science Reserve.

The site selected for the Hawaii antenna is between 12,200- and 12,400-ft. elevations of Mauna Kea, about 2,600 ft. northeast of the Mauna Kea Observatory (MKO) Access Road, TMK 4-4-15:09, in the Resource Subzone of the State Conservation District. An area of approx. 2 acres will be delineated for the use. NRAO intends to obtain a sublease for the property from UH and the Department of Land and Natural Resources.

About one acre of the site will be enclosed by a seven-ft.-high chain link fence. The VLBA antenna, a control building, an emergency generator, a propane fuel tank, a tower with weather instruments and miscellaneous concrete pads for equipment will be constructed within the fenced area. The antenna will be a wheel and track, elevation over azimuth configuration with an 82-ft.-diameter solid surface reflector, carried by a wheel and track mounting to permit pointing in any direction. It will rest on a circular concrete 50-ft-diameter ring. When the antenna is aimed at the horizon, the top edge of the antenna will be at its maximum height of about 95 ft. above the ground. The antenna must be painted white to minimize thermally induced distortions.

A 20-ft. wide, 2,600-ft. long, compacted

gravel access road will be constructed from the MKO Access Road to the site. A sign identifying the VLBA facility will be placed at the entrance to the access road. Signs will also be posted along the road warning that off-road vehicle use is prohibited. UH, in coordination with DLNR, will also post signs identifying the "no-hunting" zone.

The site will require potable water, sewer, telephone and electric services. Domestic water will be trucked up from Hilo and stored in a 2,000-gallon buried tank, located just outside of the fenced area. The sanitary facilities will consist of an approved cesspool which will also be located outside of the fenced area.

The telephone and electric services will be underground from an existing pull box beside the MKO Access Road. The service will parallel the road to the site. A standby generator will be installed to keep critical equipment cold and to stow the antenna in a safe position during commercial power interruptions.

Construction of the VLBA facility on Mauna Kea is scheduled to begin in June 1989 and is expected to require a maximum of 18 months. Phase One of the construction period, which includes grading, road building, installation of the power and telephone lines, construction of the antenna foundation and control building and erection of the fence, will be done by local contractors. The estimated cost of this work is \$1.3 million.

Phase Two will involve fabrication and assembly of the antenna, which will be shipped to Hawaii in pieces and assembled on-site, by the same contractor who is building the other nine antennas in the VLBA. Installation of the electronics and control systems will be done by NRAO technicians.

The antenna does not transmit or radiate any radio frequency energy. The facility is for basic research in astronomy and has no military applications. The VLBA will be much less

sensitive to low levels of radio-frequency interference (RFI) than any other radio telescope in the world; however, it would be sensitive to high levels of RFI (from a nearby high-power transmitter) that could overload or damage a receiver. The selected antenna site shields from RFI interference in most directions.

The antenna is scheduled to be fully operational by early 1991. It will be remotely operated 24 hours a day. A staff of two to four technicians, who will perform maintenance and other routine duties, will be hired locally. These people will work a regular 40-hour week. Accommodations will not be required at the Onizuka Center for International Astronomy at Hale Pohaku for NRAO staff.

In the event the antenna facility is permanently closed or abandoned, the buildings and above-ground structures would be removed and the area in use returned to its natural condition by NRAO.

This EIS is also available for review at the Honokaa Library, Kailua-Kona Library, Keaau Community-School Library, Mountain View Community-School Library, Thelma Parker Memorial Library, and Waimea Area Library.

Deadline: August 8, 1988.

KAPOLEI TOWN CENTER, EWA, OAHU, The Estates of James Campbell/City and County of Honolulu Dept. of General Planning

Previously published June 8, 1988.

This EIS is also available for review at the Ewa Beach Community-School Library, Waiānae Library, and Waimanalo Community-School Library.

Deadline: July 23, 1988

KEAHOLE AIRPORT EXPANSION, NORTH KONA, HAWAII, Dept. of Transportation, Airports